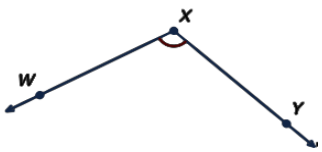
INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics ***Worksheet- 2***

BASIC GEOMERTICAL IDEAS, 07/12/20

OBJECTIVE TYPE (1 Mark)

Q.1.	A portion of a line which has two end points:							
	A	Point	**B**	Plane	*C*	Ray	**D**	Line Segment
Q.2.	A circle has radius 13 cm. What is the length of the longest stick that can be placed inside this circle such that the two ends of the stick lie on the circle?							
	A	13cm	**B**	26cm	**C**	39cm	**D**	20cm
Q.3.	Which of the following is not a simple curve?							
	A		**B**		**C**		**D**	
Q.4.	Which of the following is unique for a circle?							
	A	Radius	**B**	Diameter	**C**	Chord	**D**	Centre
Q.5.	In quadrilateral PQRS, the two diagonals are:							
	A	PQ and RS	**B**	QS and PR	**C**	PR and RS	**D**	PS and PR
Q.6.	Which is not a name for the given angle? 							
	A	$\angle YXW$	**B**	$\angle X$	**C**	$\angle XYW$	**D**	$\angle WXY$
Q.7.	An angle is made up of two _____ starting from common end point.							
	A	vertex	**B**	Lines	**C**	Rays	**D**	Line segment

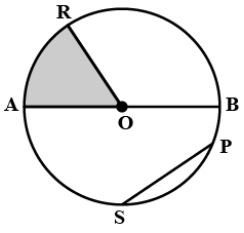
Q.8.	Which of the following is not a polygon?							
	A	Square	**B**	Triangle	**C**	Rectangle	**D**	Circle
Q.9.	A pair of lines which don't intersect at any point are:							
	A	Perpendicular lines	**B**	Intersecting lines	**C**	Parallel lines	**D**	Concurrent lines
Q.10	A diameter of a circle is also a:							
	A	Arc of the circle	**B**	Chord	**C**	Centre	**D**	Radius

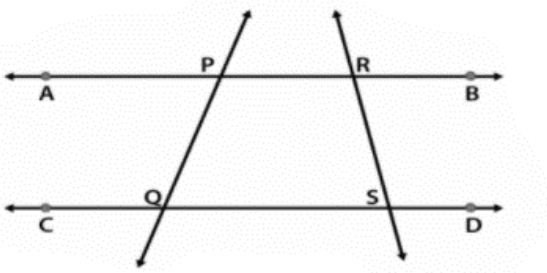
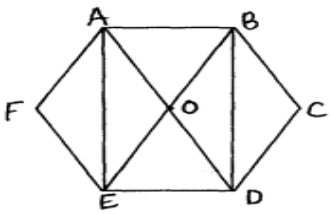
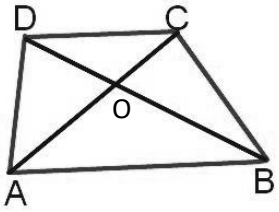
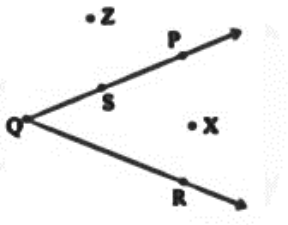
Fill in the blanks(1mark)

Q11.	The _____ divide a circle into two semicircles.
Q12.	The line segment joining two non- consecutive vertices is called _____.
Q13.	A region in the interior of the circle enclosed by an arc and a chord is called _____.
Q14.	In ΔPQR, the side opposite to ∠P is _____.
Q15.	Distance around a circle is _____.

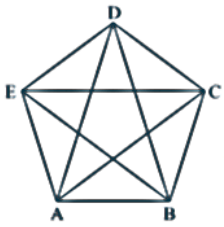
SECTION B (2 marks)

Q16.	Draw a Quadrilateral and mark a) Point A in the interior b) Point B on the boundary C) Point C in the exterior.
Q17.	Draw the following: a) Simple open curve b) Complex closed curve
Q18.	Fill in the blanks according to the given figure: a) The shaded region is representing _____. b) _____ is the diameter of the circle c) _____ is the radius of the circle d) _____ is a chord.



Q19.	Use the figure to name: a) Line passing through point Q b) One pair of intersecting lines. c) A ray d) A pair of parallel lines	
Q20.	Draw a polygon having five sides. Name it as polygon ABCDE. Draw all its possible diagonals.	
	SECTION C (4marks)	
Q21.	Draw a circle and mark the following: a) A radius b) A chord c) A sector d) An exterior point e) A diameter f) A segment	
Q22.	From the figure identify the following: a) All line segments b) All the diagonals c) Any two angles	
Q23.	Draw a rough sketch of quadrilateral WXYZ. State a) A pair of opposite angles b) A pair of opposite sides c) A pair of adjacent angles d) A pair of adjacent sides	
Q24.	From the given quadrilateral Name: a) 8 triangles b) 2 diagonals c) Two pair of adjacent sides d) A point in the interior.	
Q25.	From the figure write the names of: a) The angle b) An interior point c) An exterior point d) A point on the angle	

Answers

Answers	**1**	D) Line segment	**2**	B) 26cm	**3.**	C)	**4**	D) Centre
	5	B) QS and PR	**6**	C) $\angle XYW$	**7**	C) Rays	**8**	D) Circle
	9	C) Parallel lines	**10**	B) Chord	**11**	Diameter	**12**	Diagonal
	13	Segment	**14**	$\overline{QR}$	**15**	Circumference	**18**	a) Sector b) $\overline{AB}$ c) $\overline{OA}$, $\overline{OB}$, $\overline{OR}$ d) $\overline{SP}$
	19	a) $\overleftrightarrow{CD}$, $\overleftrightarrow{PQ}$ b) ($\overleftrightarrow{AB}$, $\overleftrightarrow{PQ}$), ($\overleftrightarrow{AB}$, $\overleftrightarrow{RS}$), ($\overleftrightarrow{CD}$, $\overleftrightarrow{PQ}$), ($\overleftrightarrow{CD}$, $\overleftrightarrow{RS}$) c) $\overrightarrow{PA}$, $\overrightarrow{RB}$, $\overrightarrow{QC}$, $\overrightarrow{SD}$ etc d) $\overleftrightarrow{AB}$, $\overleftrightarrow{CD}$	**22**	a)AB, BC, CD, DE, EF, FA, AE, BD, AD, BE, AO, OD, BO, OE b) AE, AD, BE, BD c) $\angle AFE, \angle BCD$	**24**	a) ΔAOB, ΔBOC, ΔCOD, ΔDOA, ΔABC, ΔBCD, ΔCDA, ΔABD b) $\overline{AC}$, $\overline{BD}$ c) ($\overline{AB}$, $\overline{BC}$), ($\overline{CD}$, $\overline{DA}$) d) Point O	**25**	a) $\angle PQR$ b) Point X c) Point Z d) Point S
	20							

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